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PRELIMINARY AMENDMENT

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In the claims

1. (Original) A composition for delivery of a therapeutic, prophylactic or

diagnostic agent comprising:

a nanoparticulate carrier comprising therapeutic, prophylactic or diagnostic agent to

be delivered, and

a targeting molecule bound to the surface of the carrier,

wherein the carrier is targeted to a specific population of cells where the agent is to be

delivered.

2. (Original) The composition of claim 1 wherein the carrier is selected from the

group consisting of liposomes and microparticles.

3. (Original) The composition of claim 2 wherein the microparticles are formed

of the agent to be delivered.

4. (Original) The composition of claim 2 wherein the microparticles are formed

of a polymeric material.

5. (Original) The composition of claim 1 wherein the agent to be delivered is a

cytotoxic compound.

6. (Original) The composition of claim 1 wherein the targeting molecule is a

hormone.

7. (Original) The composition of claim 1 further comprising a gel enhancing

uptake of the carrier into a cell.

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8. (Currently Amended) A method of delivering a therapeutic, prophylactic or

diagnostic agent comprising administering to a patient or tissue the a composition of any of

elaims 1-7 comprising a nanoparticulate carrier comprising therapeutic, prophylactic or

diagnostic agent to be delivered, and

a targeting molecule bound to the surface of the carrier,

wherein the carrier is targeted to a specific population of cells where the agent is to be

delivered.

9. (Original) The method of claim 8 wherein the composition is administered to

sterilize an animal.

10. (Original) The method of claim 8 wherein the composition is administered to

treat cancer or endometriosis.

11. (Original) The method of claim 8 wherein the composition is administered by

injection.

12. (Original) The method of claim 8 wherein the composition is administered by

pulmonary or intranasal or intravaginal or intrarectal delivery.

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